

**IN THE SPECIFICATION:**

**Please replace the sixth full paragraph on page 8 with the following paragraph:**

C2  
FIGS. 13a-e generally show the results of reactivity of a HUH7 cell line with anti-occludin antibodies. Figure 13a depicts non-treated control HUH7 cells. Figure 13b depicts the results of treatment with *P. gingivalis* extract. Figure 13c depicts the results of treatment with *P. gingivalis* extract in the presence of the inhibitor TLCK. Figure 13d depicts results of treatment with heat-treated *P. gingivalis* extract. Figure 13e depicts the results of a control treatment with *E. coli* extract. The arrows indicate occludin-stained junctions.

**Please replace the paragraph spanning page 8 with the following paragraph:**

C3  
FIGS. 14a-d generally shows the results of reactivity of a HUH7 cell line with anti-pan cadherin antibody. Figure 14a depicts non-treated, control HUH7 cells. Figure 14b depicts the results of treatment with *P. gingivalis* extract. Figure 14c depicts the results of treatment with *P. gingivalis* extract in the presence of inhibitor TLCK. Figure 14d depicts the results of treatment with heat inactivated *P. gingivalis* extract. The arrows indicate cadherin-stained junctions.